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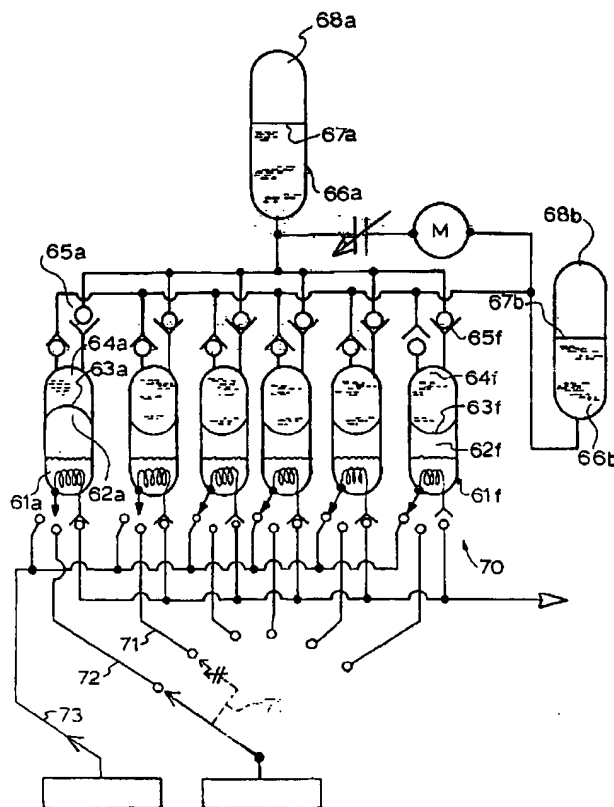
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Declarations under Rule 4.17:

- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: ENGINE FOR CONVERTING THERMAL ENERGY TO STORED ENERGY



(57) Abstract: The engine for converting thermal energy to stored fluid energy includes expansion cylinders (61a-f) with expansion chambers (62a-f) and flexible membranes (63a-f). Heating and cooling of working fluid inside the cylinders (61a-f) is carried out by fluid supply lines (73, 71) communicating with external heat resources and sinks. Pressure accumulator (66a) is adapted to store a pressurised fluid (64a-f), such as hydraulic oil, from the individual cylinders (61a-f). In use, this pressurised fluid is delivered at an elevated and above a minimum threshold pressure level, irrespective of the irregularities of the movement of the expansion cylinders (61a-f).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : F02G 1/043		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) See below under "Electronic database consulted"		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU: IPC: F02G 1/043; F01K 27/00		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4617801A (CLARK, Jr) 21 October 1986 The whole document	1-19
X	WO 82/00319A1 (MECHANICAL TECHNOLOGY, INC.) 4 February 1982 The whole document	1-19
X	EP 0178348B1 (EDER) 6 September 1989 Figure 1 and accompanying description	1-19
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Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer ASANKA PERERA Telephone No : (02) 6283 2373

INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 3246633A1 (EDER) 20 June 1984 Figure and accompanying description	1-19
A	US 4270350A (CHEVALIER) 2 June 1981	
A	US 4498302A (DJELOUAH) 12 February 1985	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	4617801	AU	65485/86	BR	8607009	EP	246275
		FI	873311	WO	8703357		
WO	8200319	CA	1187294	EP	55769	US	4350012
		US	4345437				
EP	178348	AU	15535/83	DE	3220071	EP	110905
		WO	8304281	DE	3314705		
DE	3246633	NONE					
US	4270350	NONE					
US	4498302	BE	894993	CH	650313	DE	3242312
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		AR	231328	FR	2519693		
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